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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Nico Gulzow, et al

SERIAL NO.: 09/867,087

FILED: May 29, 2001

FOR: MICROTITRATION PLATE

EXAMINER: Elizabeth Quan

GROUP: 1743

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 CFR sections 1.97 and 1.98, applicant respectfully requests that the documents listed on the attached form PTO-1449, be made of record and considered in connection with the examination of this application. Copies of the listed document are enclosed. A translation of the foreign language document(s) is not readily available.

The documents submitted herewith were cited in a Search Report (copy enclosed) issued in European and German applications corresponding to the above-referenced application.

U.S. Patent No. 4,725,388 discloses non-fluorescent vessels for holding test samples.

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U.S. Patent No. 5,282,543 discloses a cover for an array of reaction tubes.

British Publication GB-2 268 187A discloses a cell culture vessel.

German Publication DE-42 17 686 A1 discloses a temperature controlled multiple test tube having the following novel features: a rigid temperature controlled-support (1) made of a material which conducts heat well, and which has an integral heater (2) with at least one temperature sensor (10), is partly covered with a heat insulating material (5), and is provided with penetrations (4), which contain close-fitting exchangeable disposable micro-test tubes made of a material which is inert to the substances being studied.

Preferably an insulated temperature sensor (10) is located in at least one hole (4) in the support in such a way that it is contact with the wall of one of the micro test tubes. The support consists of at least one Al plate with at least one anodized surface with an electrically conducting layer in the form of a closed heating circuit (6) attached by contacts (8) to an adjustable source of electric current. Upper (3) and lower (2) Al plates are preferably used, at least one having a surface heating circuit. The output of the heater circuit is increased in the regions near the edges of the support. The micro test-tubes are at least in part made of an optical material and fit closely into the holes in the support. The test tubes are divided into groups by ribs (3) or by a self-adhesive elastic tool which covers and seals the openings of the test-tubes during transport and storage.

German Publication DE-43 21 033 A1 discloses an apparatus for immunohistochemical and histochemical detection reaction and formed of upper and lower units (see page 5 of the drawings) with a silicone seal therebetween. The lower unit is formed of (page 1 of the drawings) of a lower polycarbonate plate (1) with countersunk head screws (2) having a recess (3) for a clear-vision object carrier (4). The upper unit is formed of (see page 2 of the drawings) an upper polycarbonate plate (5) having bores (6) for access to the reservoir, an orientation bar (7) and openings or bores (8) for the screws.

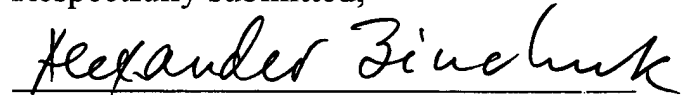
German Patent No. 195 01 298 C1 discloses a fitting of micro-dishes into and removal from a carrier which rests on a base die (8). The die (8) has two working faces, a plane surface which is presented to the carrier (9) during insertion of the dishes and a surface with protrusions (12) which eject the dishes from the carrier. Pressure is applied by stamp (7) with is also reversible, having one plane surface which faces the dishes during insertion and a heavily dished surface which is used during ejection.

German Publication DE-197 36 630A1 discloses a microtitration plate with glass vessels in which the cavities are cylindrical glass vessels (2) with flat or rounded bases (4), joined together to a honeycomb structure. Preferred features: The vessels are adhered together, or alternatively joined by a glass solder (7) to make the plate. A grid-like assembly accepts the vessels. This plastic grid had

openings in which the vessels are inserted. It is an injection-molded part, filling the gaps. The vessels are snapped or adhered in. They may have a molded-on edge head, which is set detachably into the openings or grid made of opaque plastic. The vessels are borosilicate or soda lime glass. This made by cerium-stabilized. The vessels are silica glass. The assembly is complemented by a base plate; whilst the vessel is one of the conventional glasses cited, the baseplate is silica. The internal wall of the cavities is coated with an inert material. The entire internal surface may be coated with a protein-immobilizing material, or just the base.

The Commissioner is hereby authorized to charge the fee required under 37 C.F.R. §1.17(p) in the amount of \$180.00 and any other fees which may be required to our Deposit Account No. 50-0955.

Respectfully submitted,




Alexander Zinchuk

Reg. No. 30,541

Dated: October 21, 2003
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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail and addressed to: Commissioner for Patents, Alexandria, VA 22313 on October 21, 2003.



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Docket No.: DT-4039

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INFORMATION DISCLOSURE
CITATION IN AN APPLICATION

Applicant(s): Nico Gulzow, et al

Filing Date: May 29, 2001

Group: 1743

U.S. PATENT DOCUMENTS

Exam. Init.		Document Number							Date	Name	Class	Subclass	Filing Date if appropriate
	AA	4	7	2	5	3	8	8	2/1988	Nelson, et al			
	AB	5	2	8	2	5	4	3	2/1994	Picozza, et al			
	AC												
	AD												
	AE												
	AF												
	AG												
	AH												
	AI												
	AJ												
	AK												

FOREIGN PATENT DOCUMENTS

		Document Number							Date	COUNTRY	Class	Subclass	TRANSLATION	
													YES	NO
	AL	2	2	6	8	1	8	7	1/1994	Great Britain				
	AM	4	2	1	7	6	8	6	1/1993	Germany				X
	AN	4	3	2	1	0	3	3	1/1995	Germany				X
	AO	9	5	0	1	2	9	8	2/1996	Germany				X
	AP	9	7	3	6	6	3	0	3/1999	Germany				X
	AQ													

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER		DATE CONSIDERED